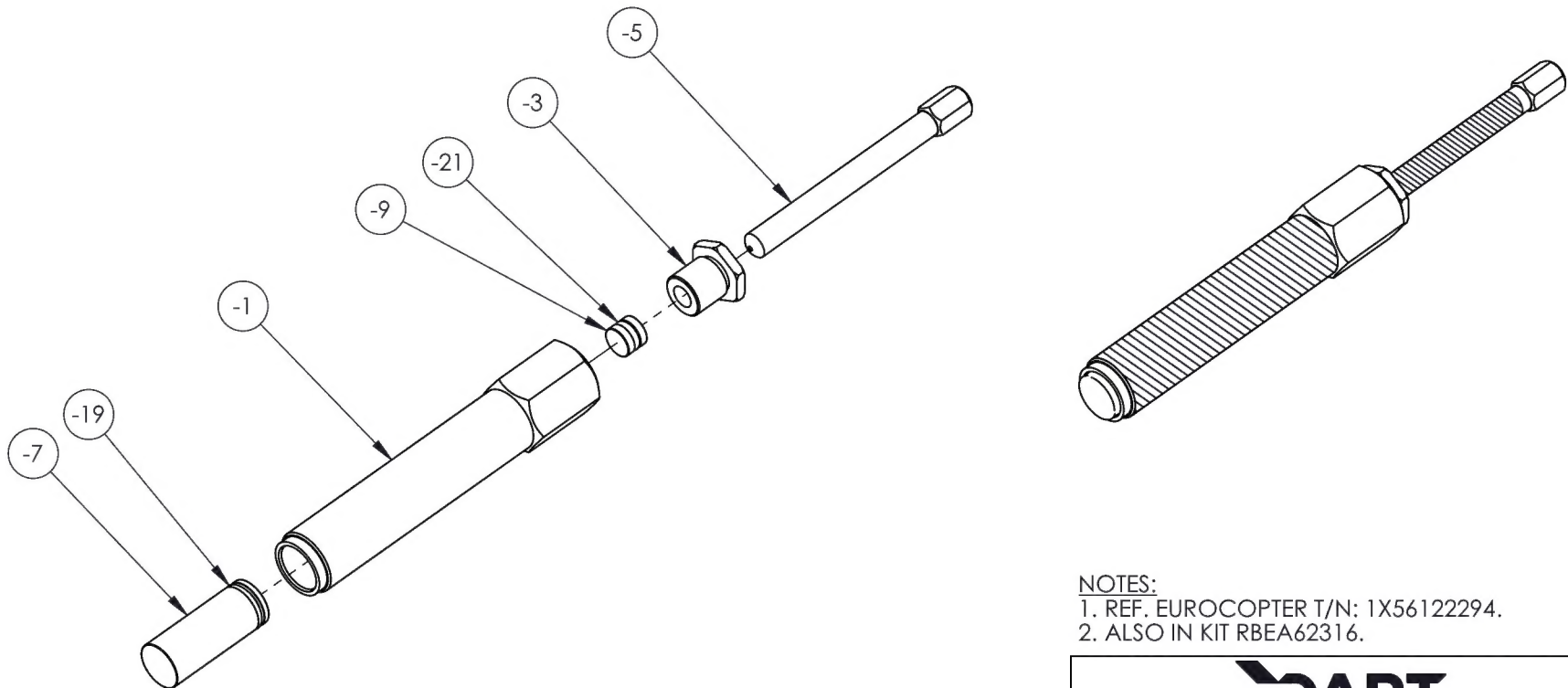


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	16-0160	UPDATED TO NEW STANDARDS. -1 CH'D DIM WAS $\varnothing.551+/.005/-0.000$ THRU ALL IS $\varnothing.564/.562$ THRU ALL WAS $\varnothing.8660/.8655$ IS $\varnothing.876/.874$, WAS $\varnothing.728 \pm .80$ M20X1.5 - 6H $\pm .80$; ADDED DIM .750. -3 CH'D MAT'L WAS 1018 IS 1018/1020 CR. -5 CH'D MATERIAL, WAS 1018 IS 1018/1020 CR; CH'D DIM WAS M12x1.5 IS M12x1.5 - 6g; ADDED DIM SR.313. -7 CH'D MATERIAL WAS 4140 Q&T IS 303 S.S.; REMOVED FINISH; REMOVED DIM M5X0.8 - 6H $\pm .39$, $\varnothing.317$, .230; CH'D DIM WAS 1.968 IS 2.22, WAS $\varnothing.8652/.8648$ IS 2X $\varnothing.872/.871$; ADDED DIM .145/.140, .25, 2X R.005, 2X R.01, $\varnothing.698/.696$. -9 CH'D MATERIAL WAS 4140 Q&T IS 303 S.S.; REMOVED FINISH; REMOVED DIM R.04; CH'D DIM WAS $\varnothing.548+0.000/-0.005$ IS 2X $\varnothing.560/.559$, WAS .275 IS .45; ADDED DIM $\varnothing.386/.384$, .145/.140, .155, 2X R.01, 2X R.005, .250, R.313.	10/11/2016	SM	JAG



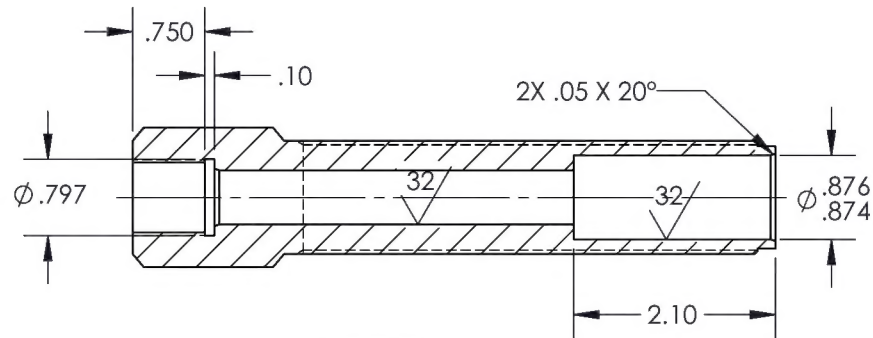
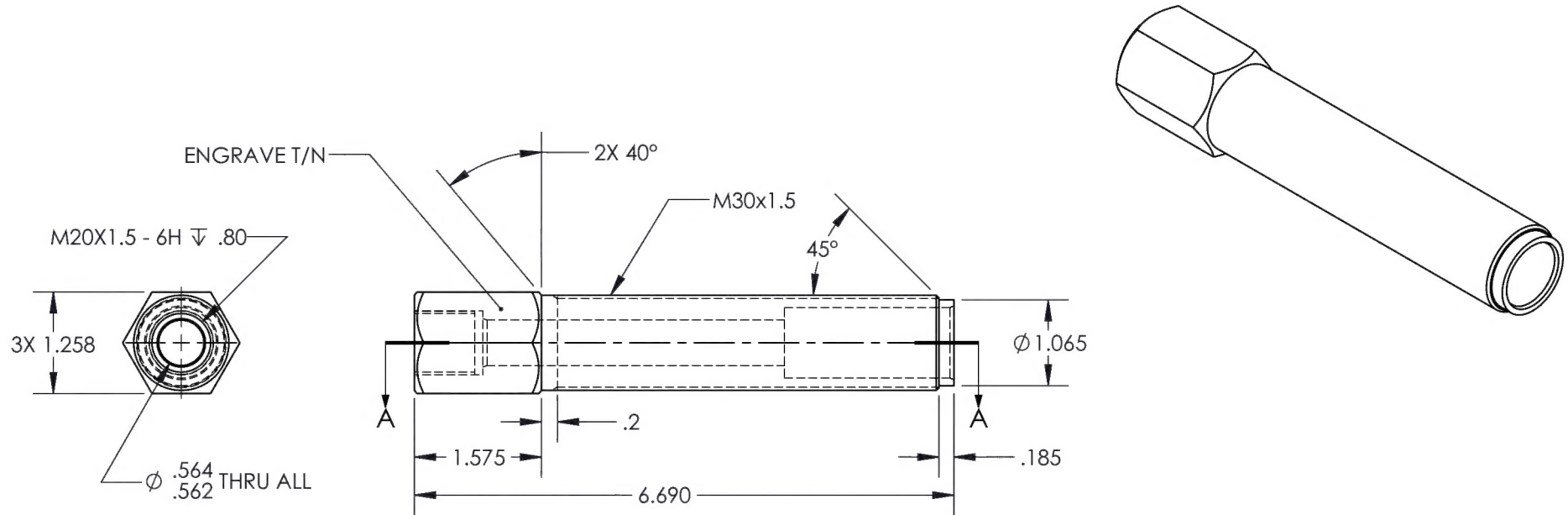
NOTES:
1. REF. EUROCOPTER T/N: 1X56122294.
2. ALSO IN KIT RBEA62316.

DART AEROSPACE																											
TITLE PUSH-OUT DEVICE																											
DWG NO. RBE1X56-122-294	REV 1																										
<table border="1"> <tr> <td>MAT'L</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT TREAT</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH</td> <td>.XXX \pm .005 FRACTIONS \pm 1/8</td> </tr> <tr> <td></td> <td>.XX \pm .01 ANGLES \pm 5°</td> </tr> <tr> <td></td> <td>.X \pm .1 SURFACES = 125</td> </tr> <tr> <td>SPEC</td> <td>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R</td> </tr> <tr> <td>DRAWN BY: GILBERT</td> <td>2. DIMENSIONAL LIMITS APPLY AFTER PLATING</td> </tr> <tr> <td>CHECKED: CLOUGH</td> <td>3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>USED ON MODEL</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>EC135</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td></td> </tr> <tr> <td>SCALE 1:3</td> <td>DATE 4/11/2012</td> </tr> <tr> <td colspan="2">SHEET 1 OF 6</td> </tr> </table>		MAT'L	UNLESS OTHERWISE SPECIFIED	HEAT TREAT	DIMENSIONS ARE IN INCHES	FINISH	.XXX \pm .005 FRACTIONS \pm 1/8		.XX \pm .01 ANGLES \pm 5°		.X \pm .1 SURFACES = 125	SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	OPPS APPR: ANDERSON	USED ON MODEL	QA APPR: LINDSAY	EC135	APPROVED: GILBERT		SCALE 1:3	DATE 4/11/2012	SHEET 1 OF 6	
MAT'L	UNLESS OTHERWISE SPECIFIED																										
HEAT TREAT	DIMENSIONS ARE IN INCHES																										
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	.X \pm .1 SURFACES = 125																										
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R																										
DRAWN BY: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING																										
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009																										
OPPS APPR: ANDERSON	USED ON MODEL																										
QA APPR: LINDSAY	EC135																										
APPROVED: GILBERT																											
SCALE 1:3	DATE 4/11/2012																										
SHEET 1 OF 6																											

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	OUTSIDE ROD	4140/4142		2
			-3	1	PLUG	1018/1020 CR		3
			-5	1	THREADED ROD	1018/1020 CR		4
			-7	1	LARGE PISTON	303 S.S.		5
			-9	1	SMALL PISTON	303 S.S.		6
		B/O	-19	1	LARGE O-RING	VITON	DASH # 115 (MCMASTER-CARR # 8297T174)	1
		B/O	-21	1	SMALL O-RING	VITON	DASH # 110 (MCMASTER-CARR # 8297T169)	1

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	16-0160	-1 CH'D MATERIAL WAS 4140 IS 4140/4142; CH'D DIM WAS Ø.551+-.005/--.000 THRU ALL IS Ø.564/.562 THRU ALL, WAS Ø.8660/.8655 IS Ø.876/.874, WAS Ø.728 ▽.80 M20X1.5 - 6H ▽.70 IS M20X1.5 - 6H ▽.80; ADDED DIM .750.	10/11/2016	SM	JAG



SECTION A-A

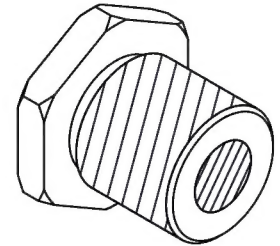
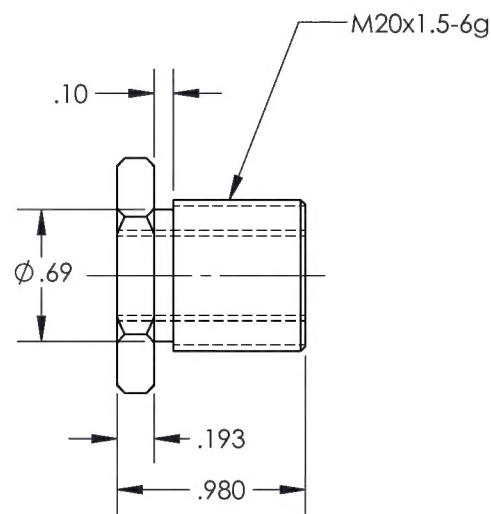
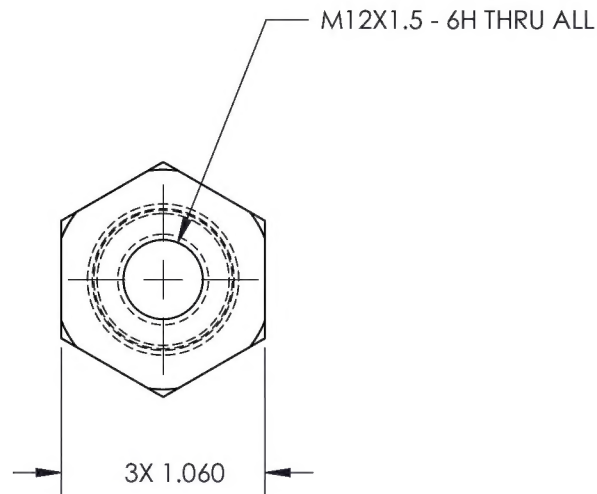
(1)

OUTSIDE ROD

DART AEROSPACE													
TITLE PUSH-OUT DEVICE													
DWG NO. RBE1X56-122-294-1	REV 1												
<table border="0"> <tr> <td>MAT'L 4140/4142</td> <td>UNLESS OTHERWISE SPECIFIED</td> </tr> <tr> <td>HEAT HRC 28-34</td> <td>DIMENSIONS ARE IN INCHES</td> </tr> <tr> <td>FINISH BLACK OXIDE</td> <td>.XXX $\pm .005$ FRACTIONS $\pm 1/8$</td> </tr> <tr> <td>SPEC</td> <td>.XX $\pm .01$ ANGLES $\pm .5^\circ$</td> </tr> <tr> <td></td> <td>.X $\pm .1$ SURFACES = 125</td> </tr> </table>		MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED	HEAT HRC 28-34	DIMENSIONS ARE IN INCHES	FINISH BLACK OXIDE	.XXX $\pm .005$ FRACTIONS $\pm 1/8$	SPEC	.XX $\pm .01$ ANGLES $\pm .5^\circ$.X $\pm .1$ SURFACES = 125		
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED												
HEAT HRC 28-34	DIMENSIONS ARE IN INCHES												
FINISH BLACK OXIDE	.XXX $\pm .005$ FRACTIONS $\pm 1/8$												
SPEC	.XX $\pm .01$ ANGLES $\pm .5^\circ$												
	.X $\pm .1$ SURFACES = 125												
<table border="0"> <tr> <td>DRAWN BY: GILBERT</td> <td>1. BREAK ALL SHARP EDGES</td> </tr> <tr> <td>CHECKED: CLOUGH</td> <td>.015 x 45° OR .015R</td> </tr> <tr> <td>OPPS APPR: ANDERSON</td> <td>2. DIMENSIONAL LIMITS APPLY</td> </tr> <tr> <td>QA APPR: LINDSAY</td> <td>AFTER PLATING</td> </tr> <tr> <td>APPROVED: GILBERT</td> <td>3. INTERPRET DIM AND TOL PER</td> </tr> <tr> <td></td> <td>ASME Y14.5M-2009</td> </tr> </table>		DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES	CHECKED: CLOUGH	.015 x 45° OR .015R	OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY	QA APPR: LINDSAY	AFTER PLATING	APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER		ASME Y14.5M-2009
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES												
CHECKED: CLOUGH	.015 x 45° OR .015R												
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY												
QA APPR: LINDSAY	AFTER PLATING												
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER												
	ASME Y14.5M-2009												
USED ON MODEL EC135													
SCALE 1:2	DATE 4/11/2012												
SHEET 2 OF 6													

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	16-0160	-3 CH'D MATERIAL WAS 1018 IS 1018/1020 CR.	10/11/2016	SM	JAG



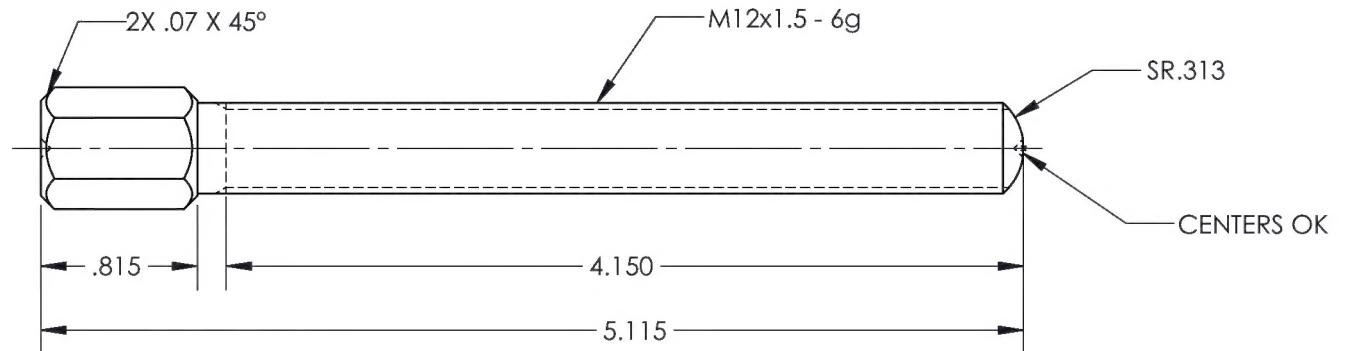
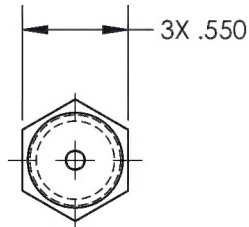
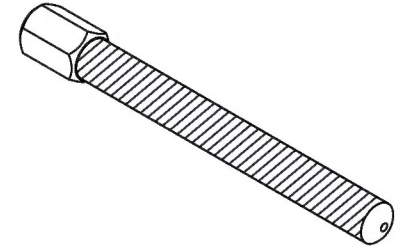
(-3)

PLUG

DART AEROSPACE	
TITLE PUSH-OUT DEVICE	
DWG NO. RBE1X56-122-294-3	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 6/14/2012
	SHEET 3 OF 6

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	16-0160	-5 CH'D MATERIAL, WAS 1018 IS 1018/1020 CR; CH'D DIM WAS M12x1.5 IS M12x1.5 - 6g; ADDED DIM SR.313.	10/11/2016	SM	JAG



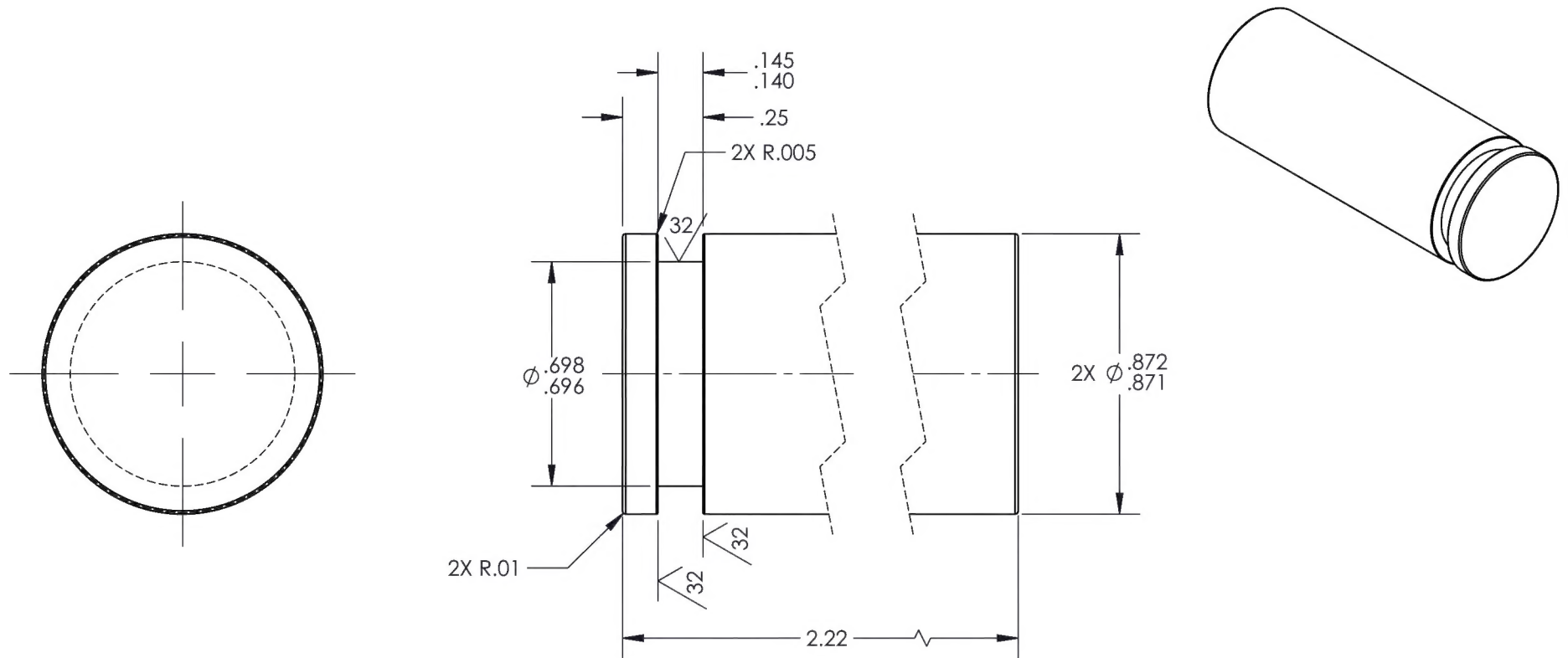
(-5)

THREADED ROD

DART AEROSPACE	
TITLE PUSH-OUT DEVICE	
DWG NO. RBE1X56-122-294-5	REV 1
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	EC135
SCALE 1:1	DATE 6/14/2012
	SHEET 4 OF 6

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	16-0160	-7 CH'D MATERIAL WAS 4140 Q&T IS 303 S.S.; REMOVED FINISH; REMOVED DIM M5X0.8 - 6H Ψ .39, Φ .317, .230; CH'D DIM WAS 1.968 IS 2.22, WAS Φ .8652/.8648 IS 2X Φ .872/.871; ADDED DIM .145/.140, .25, 2X R.005, 2X R.01, Φ .698/.696.	10/11/2016	SM	JAG



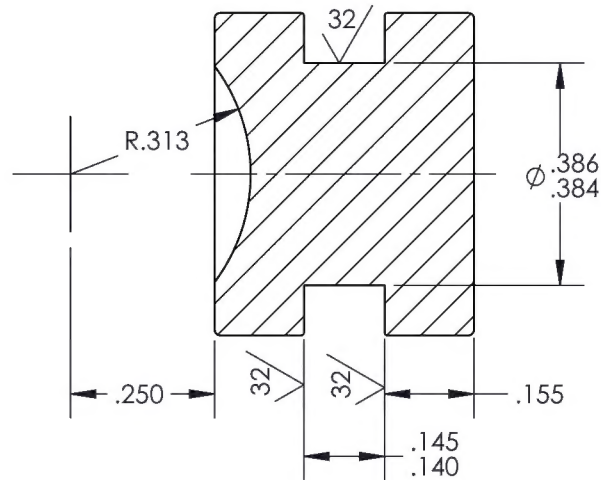
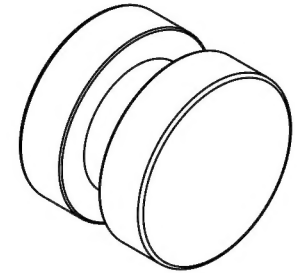
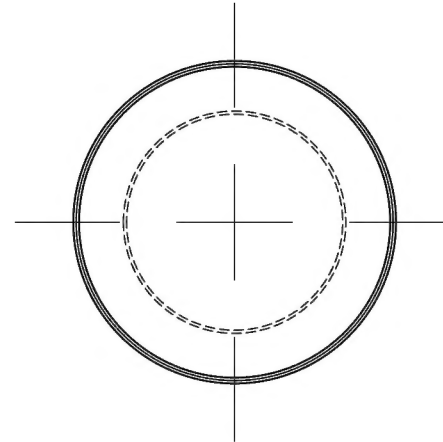
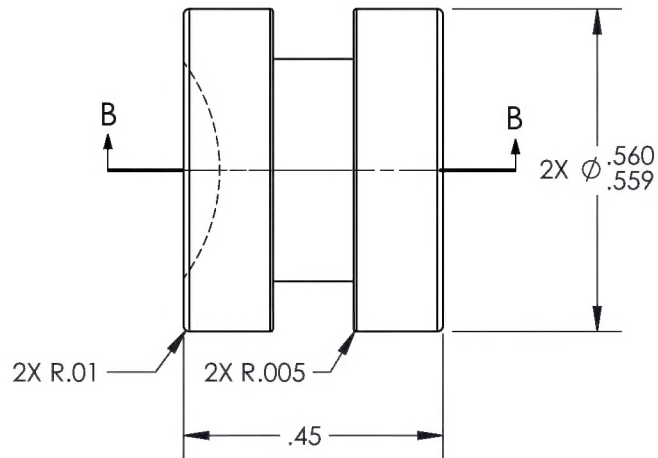
(-7)

PISTON

DART AEROSPACE	
TITLE PUSH-OUT DEVICE	
DWG NO. RBE1X56-122-294-7	REV 1
MAT'L 303 S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT FINISH	DIMENSIONS ARE IN INCHES
SPEC	.XXX \pm .005 FRACTIONS \pm 1/8
DRAWN BY: GILBERT	.XX \pm .01 ANGLES \pm 5°
CHECKED: CLOUGH	.X \pm .1 SURFACES = 125° ✓
OPPS APPR: ANDERSON	1. BREAK ALL SHARP EDGES
QA APPR: LINDSAY	.015 x 45° OR .015R
APPROVED: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 6/14/2012	USED ON MODEL
SHEET 5 OF 6	EC135

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1	16-0160	-9 CH'D MATERIAL WAS 4140 Q&T IS 303 S.S.; REMOVED FINISH; REMOVED DIM R.04; CH'D DIM WAS $\varnothing .548 \pm .000 / -.005$ IS $2X \varnothing .560 / .559$, WAS .275 IS .45; ADDED DIM $\varnothing .386 / .384$, .145 / .140, .155, 2X R.01, 2X R.005, .250, R.313.	10/11/2016	SM	JAG



SECTION B-B

⑨

INSERT

DART AEROSPACE	
TITLE PUSH-OUT DEVICE	
DWG NO. RBE1X56-122-294-9	REV 1
MAT'L 303 S.S.	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	EC135
SCALE 3:1	DATE 6/14/2016
SHEET 6 OF 6	